



USAID | AFGHANISTAN

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Solicitations open to: Afghan Nationals Only
Position Title: Engineer (Electrical)
Type of vacancy: Multiple
Opening date: February 14, 2017
Closing date: February 28, 2017
Work hours: 40 hours (Full time)
Position Grade: FSN-11
Vacancy announcement #: USAID/306/17/21/OI

Female candidates are strongly encouraged to apply

The United States Government (USG), represented by the U.S. Agency for International Development (USAID) Mission in Afghanistan, is seeking applications from qualified Afghan Nationals to provide personal services as an **Engineer (Electrical)** under a personal services contract, as described in this solicitation.

BASIC FUNCTION OF THE POSITION:

The basic function and purpose of this position is to enhance USAID Afghanistan's "in-house" Subject Matter Expert (SME) capability for oversight of planning, designing, and constructing high-voltage (HV) electrical transmission and distribution systems. USAID/Afghanistan's Power Transmission and Electrical Connectivity (PTEC) program has an operational budget of budget of \$725M with several high voltage and electrical transmission and distribution projects. These are currently in various phases of planning and implementation. PTEC centers on constructing much of the backbone of Afghanistan's domestic grid, expanding electricity access to the population, and improving commercial practices within the national utility, Da Afghanistan Breshna Sherkat (DABS). In addition to PTEC, USAID is also engaged with other donors in regional power programs, such as the Central Asia South Asia (CASA) 1000 and Turkmenistan Uzbekistan Tajikistan Afghanistan and Pakistan (TUTAP) transmission lines. These programs are also in various phases of planning and implementation for which USAID/Afghanistan's "in-house" SME technical capacity is needed.

The incumbent works with established Agency policies and guidance, and exercise a high and constant degree of personal initiative to provide expert technical advice to OI management. The individual must be able to set and meet deadlines in a complex organizational structure. The individual must also be able to work with a variety of actors and cultural backgrounds as well as be flexible in the face of changing circumstances.

MAJOR DUTIES AND RESPONSIBILITIES:

- Advises USAID/Afghanistan in the development of conceptual plans and cost estimates for medium and high voltage electrical power systems, to include but not limited to: generation plants, transmission lines, substations, and distribution systems. Participates in and advises master planning processes for domestic and regional power systems. Evaluates plans and make professional recommendations concerning engineering feasibility, constructability, and overall technical effectiveness. Advises USAID/Afghanistan on conformance with applicable master plans.

- Coordinates planning with other concurrent or planned power transmission projects undertaken by other implementers, such as U.S Army Corps of Engineers (USACE) and Asian Development Bank (ADB), to ensure resolution of technical interface issues, and optimization of design and connectivity in accordance with applicable master plans and Ministry of Energy and Water (MEW) design guidelines.
- Advises USAID/Afghanistan in the development of contract requirements pertaining to medium and high voltage electrical systems, to include but not limited to: generation plants, transmission lines, substations, and distribution systems. Reviews contract technical requirements developed by USAID/Afghanistan contractors and/or DABS, to include, but not limited to, specifications, schedules and equipment requirements. Advises USAID/Afghanistan on conformance of such requirements with international standards and MEW design guidelines as applicable.
- Provides oversight over multi-million dollar projects like PTEC construction, the construction of transmission line from Pul-e-Khumri to Chimitala and the construction of transmission line from Doshi to Bamyān. The incumbent ensures that these projects are built on time, within budget and according to specifications and is required to coordinate planning with other concurrent or planned power transmission projects undertaken by other implementers, such as USACE and ADB, to ensure resolution of technical interface issues, and optimization of design and connectivity in accordance with applicable master plans and Ministry of Energy and Water (MEW) design guidelines.
- Reviews and comments on contractor submittals of products, deliverables and reports pertaining to medium and high voltage electrical systems. Analyzes and evaluates contractor designs and equipment submittals.
- Processes contractor progress reports pertaining to medium and high voltage systems; obtain and validate contractor submitted bills-of-materials against contract technical requirements as applicable.
- Oversees or assists in the development and implementation of USAID/Afghanistan quality assurance programs to ensure conformance of work with contract requirements for engineering, design, quality, safety, and environmental requirements pertaining to medium and high voltage electrical systems.

REQUIRED QUALIFICATION:

Education: Bachelor of Science degree in electrical engineering.

(Education requirement must be met at the time of application for the subject position).

Work Experience: A minimum of six years of demonstrated technical experience in high-voltage electrical infrastructure involving transmission lines and substations. At least three of the six years of experience must have been spent in design or planning of transmission and distribution systems; the balance must have been spent in constructing or operating transmission lines and substations/distribution systems. Experience working within, or as a consultant to, a major electrical utility is required. Experience in transmission and distribution system planning is required. (Work experience requirement must be met at the time of application for the subject position).

Language: Level IV (Fluent) speaking/reading English language and Level IV (Fluent) speaking/reading of Dari and/or Pashtu.

Knowledge: The incumbent must be able to demonstrate expertise and mastery in design of high voltage transmission lines and substations. Expertise in high voltage protection and control systems and in High Voltage Direct Current (HVDC) systems is required. The incumbent must have working knowledge of design guidelines and international standards prevailing within the specialty area in providing USAID/Afghanistan with advice on technical plans. Such guidelines and standards will include, but not be limited to: International Electro-technical Commission (IEC);

Institute of Electrical and Electronics Engineers (IEEE); Ministry of Energy and Water (MEW) Design Guidelines; DABS Design Standards; Afghanistan Power Sector Master Plan.

Skills and Abilities: The incumbent must have the ability to plan, organize, manage, and evaluate assigned activities. The incumbent must have excellent verbal communication skills, tact and diplomacy in order to establish and develop sustainable working relations and a high level of trust with senior and mid-level GoA and DABS officials and with other donor groups. Incumbent must have, good computer skills, excellent presentation, analytical and writing skills, specifically, experience in the independent analysis, interpretation, and presentation of complex data orally and in precise, accurate, clear and complete written formats before multiple international stakeholders. Incumbent must have the ability to work effectively in a team environment, and to achieve consensus on policy, program, project, activity and administrative matters.

HOW TO APPLY:

Applicants are requested to submit a complete application package which must include all required documents to AFPAKjobs@usaid.gov with a **Subject line: Engineer (Electrical) (OI 1721)**.

ANY/ALL application submissions after the closing date of February 28, 2017 will not be considered.

REQUIRED DOCUMENTS:

1. **Cover memo/email text that outlines how your qualifications and experience meet the selection criteria.**
2. **Application for Employment as a Locally Employed Staff (DS-174)**
<http://photos.state.gov/libraries/afghanistan/941877/jobs/DS-174.doc>
<http://www.state.gov/documents/organization/136408.pdf> (A copy of the DS-174 form can also be downloaded from ACBAR.org under this link <http://www.acbar.org/applicationform>. Applicants who are accessing this solicitation through jobs.af can download directly from the website) **AND**
3. **A current resume or a curriculum vitae**

IMPORTANT:

IN ORDER TO HAVE YOUR APPLICATION CONSIDERED, YOU MUST SUBMIT ALL THREE REQUIRED DOCUMENTS. IF YOU OMIT ANY OF THE REQUIRED DOCUMENTS, COVER PAGE, CV or DS-174 FORM, YOUR APPLICATION WILL NOT BE CONSIDERED.

Note:

- Ø Only short-listed candidates will be notified.
- Ø This vacancy is open only to Afghan Nationals.
- Ø Applications with insufficient, incomplete and inconsistent information to make a determination will not be considered.
- Ø No in-person appointments or telephone calls will be entertained.
- Ø Applications submitted as .RAR file will not be accepted by the system
- Ø Candidates who are applying for this position must fully meet the education requirement (graduated and degree and/or diploma already received) as specified. At the time of applications, candidates must also meet in full the experience requirement. There is no exception for these requirements.
- Ø Short-listed candidates will be requested to provide educational documents such as degrees, diplomas, certificates and other pertinent documents as needed. Failure to provide the required documentation will result the rejection of their application from further consideration.

Ø The Agency retains the full right to cancel or amend the solicitation and associated actions.

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